

AGS pp Status

Haixin Huang

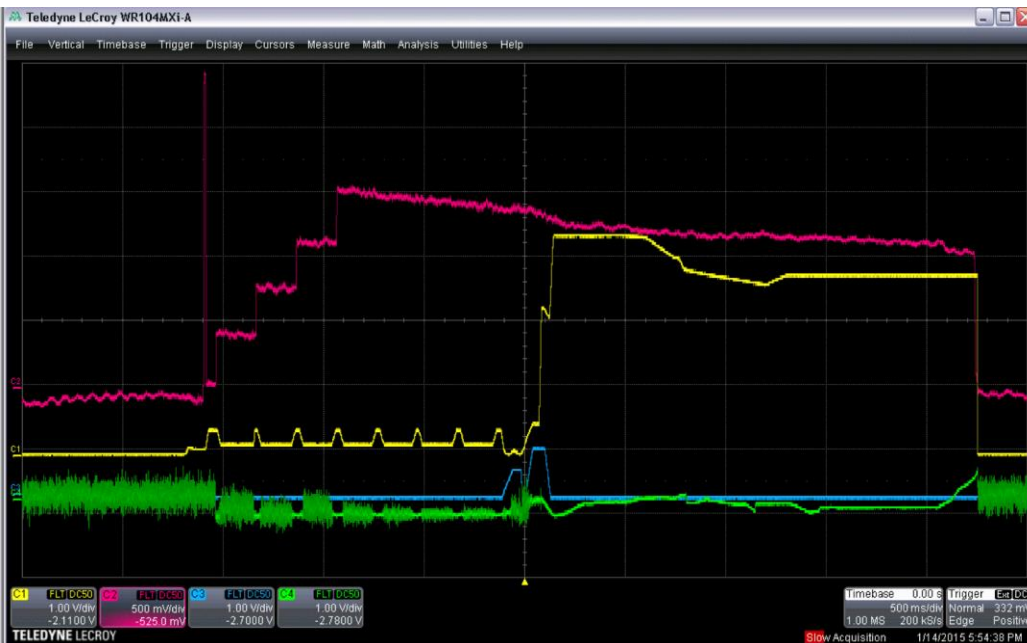
Jan. 20, 2015

Time Meeting

Status

- We spent three days to setup Au as preparation for RHIC DX magnet aperture study. We used four Booster pulses to merge into one bunch. Bunch intensity was 1.4×10^9 /bunch. With current EBIS intensity, this could go as high as 1.6×10^9 , with further AGS efficiency tuning. Au beam has been extracted to W dump.
- We took polarization measurement on the ramp in the hope to understand the JQ timing offset of -0.5ms we had to put in. Preliminary results from ramp measurements gave roughly a -0.5ms shift. We will evaluate the energy measurement and calculation process.
- Polarization is lower by a couple percent with 2×10^{11} intensity, likely due to lower source polarization.
- A source maintenance tomorrow will revert the changes made to ionizer last week to bring us high polarization and stable intensity.
- We have issue with eIPM gas leak last week. Instrumentation group is working on it.

Au Bunch Merge in the AGS



Bunch Merge

